

6X5, 6X5-GT/G

FULL-WAVE HIGH-VACUUM RECTIFIER

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.6	amp.
	6X5	6X5-GT/G
Maximum Overall Length	3-1/4"	3-5/16"
Maximum Seated Height	2-11/16"	2-3/4"
Maximum Diameter	1-5/16"	1-5/16"
Bulb	Metal Shell, MT-8	T-9
Base	Small Wafer Octal 6-Pin	Intermed. Sh. Octal 6-Pin G-6S
Basing Designation	6S	Pin 5 - Plate #1 Pin 7 - Heater Pin 8 - Cathode
Pin 1 - 6X5, Shell		
Pin 2 - Heater		
Pin 3 - Plate #2		
Mounting Position		{ 6X5: Vertical 6X5-GT/G: Any

BOTTOM VIEW

Maximum Ratings Are Design-Center Values

FULL-WAVE RECTIFIER

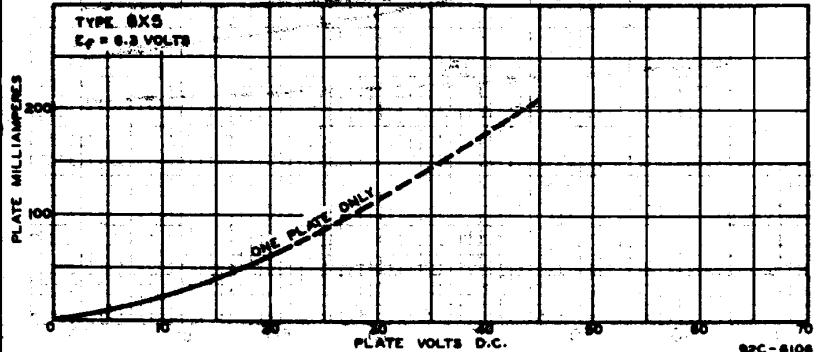
Peak Inverse Plate Voltage	1250 max. volts
Peak Plate Current per Plate	210 max. ma.
D-C Output Current:	
With condenser input to filter	70 max. ma.
With choke input to filter	70 max. ma.
D-C Heater-Cathode Potential	450 max. volts
Typical Operation:	
	Condenser- Input Filter
	Choke- Input Filter
A-C Plate-to-Plate	
Supply Voltage (RMS)	650
Filter Input Condenser	4
Min. Total Effect. Plate	
Supply Imped. per Plate	150
Filter Input Choke	-
D-C Output Current	70
D-C Voltage (At input to filter):*	
At half-load current (35 ma.)	405
At full-load current (70 ma.)	370
Difference (Voltage Regulation)	35
Percentage Regulation	0.5
	900 volts
	- μ f
	- ohms
	8 henries
	70 ma.
	385 volts
	380 volts
	5 volts
	1.3 %

◇ Horizontal operation permitted if pins 3 & 5 are in a horizontal plane.

* For choke not less than 8 henries.

* Approximate values.

AVERAGE PLATE CHARACTERISTIC



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RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

RRC-6106

6X5

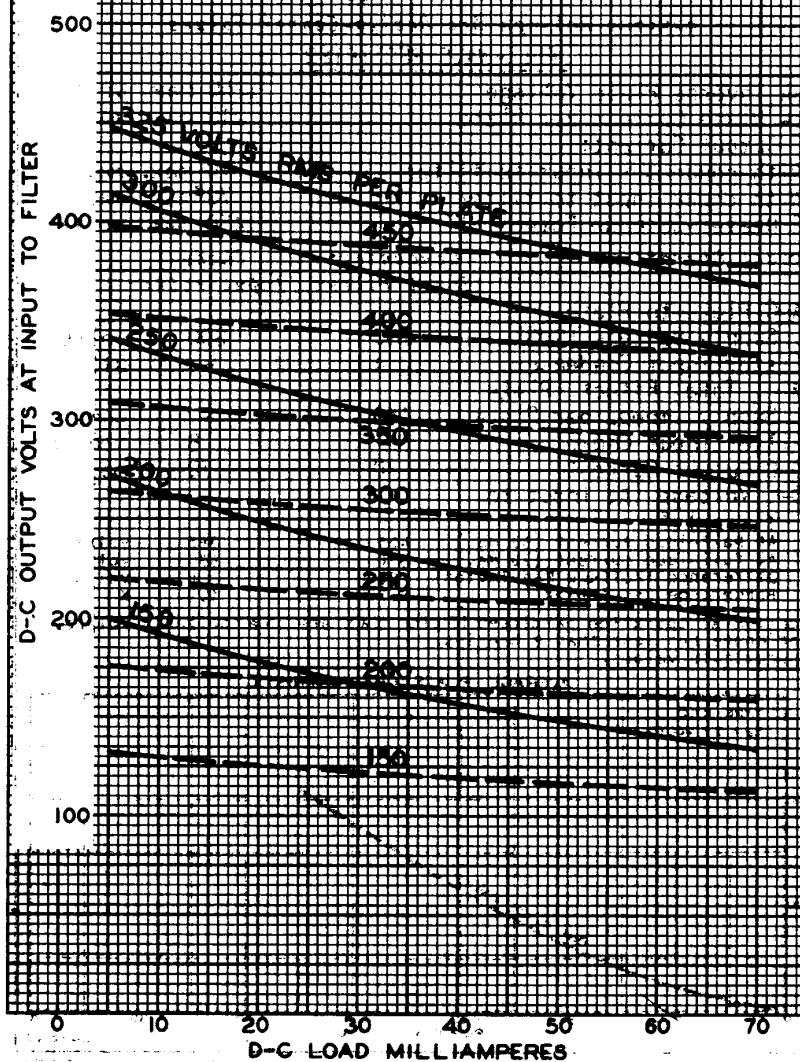


6X5

OPERATION CHARACTERISTICS

$E_F = 6.3$ VOLTS

— CHOKE (L) INPUT TO FILTER:
L = 8 HENRIES (MIN.)
— CONDENSER (C) INPUT TO FILTER:
 $C = 4 \mu F$; TOTAL EFFECT. PLATE-SUPPLY
IMPEDANCE PER PLATE = 150 OHMMS



NOV. 15, 1939

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